

4.1.1. pFR-Luc Plasmid



Fig. 4

Sequence of GAL4 Binding Element in the pFR-Luc Plasmid

GT CCGAGTACTGTCCTCCG AG CCGAGTACTGTCCTCCG
 AG CCGAGTACTGTCCTCCG AG CCGAGTACTGTCCTCCG
 AG CCGAGTACTGTCCTCCG AG CCGAGACTCTAGAGGG
 TATATATGGATCCCCGGGT AC CGAGCTCGAATTC-- (SEQ ID No. 5)
 --CAGCTTGGCATTCCGGTACTGTTGGTATG--Luciferase (SEQ ID No. 6)

4.1.2. Fusion Transactivator Plasmids

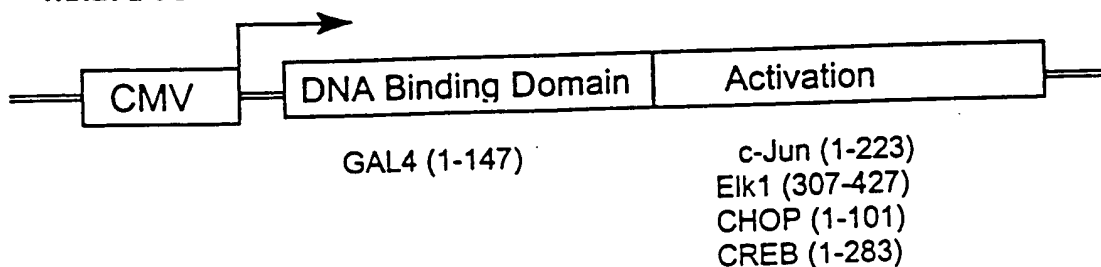


Figure 5

4.1.3. Control Plasmids

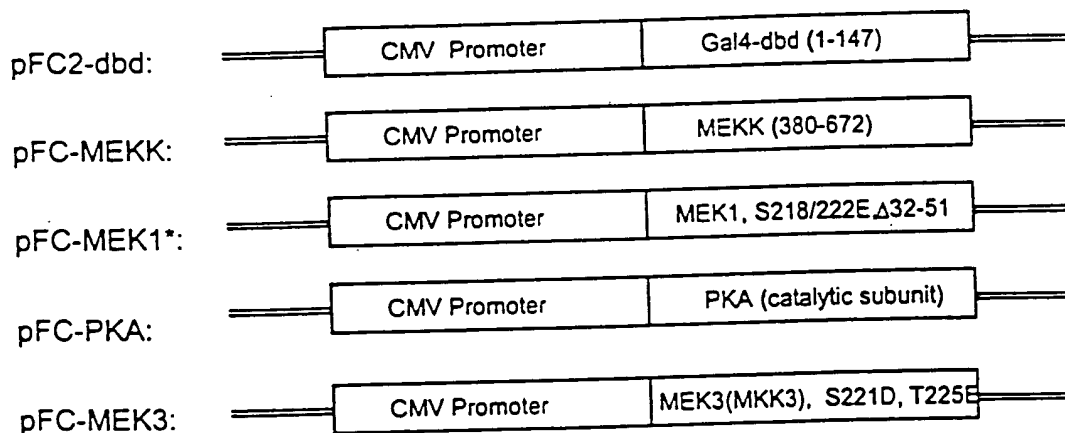


Figure 7

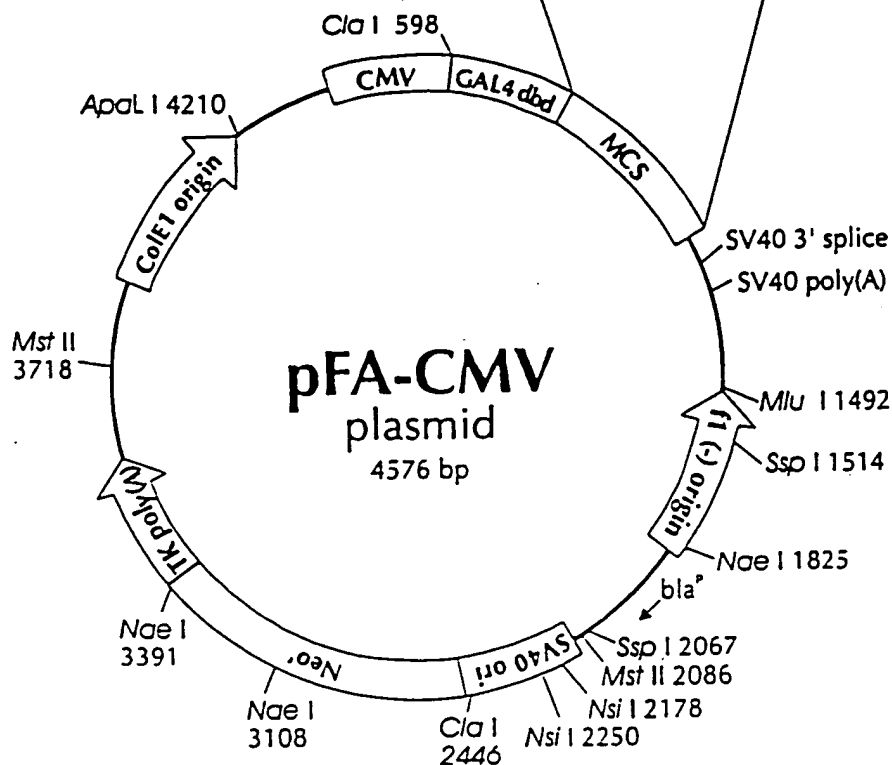
will tailor
to each application

Replacement sheet, Fig. 4

4.1.4. pFA-CMV Plasmid

pFA-CMV Plasmid

BamHI SrfI SmaI EcoRI XbaI HindIII PstI SacI KpnI BglII
 GTA TCG CCG GGA TCC GCC CGG GCT GGA ATT CTA GAA GCT TCT GCA GAG CTC GGT ACC AGA TCT TGA ATA AGT AG (SEQ ID No. 7)
 V S P G S G R A G I L E A S A E L G T R S * * * (SEQ ID No. 8)



4.2. Preparation of medium and reagents

Luciferase Assay Reagent (1×)

40.0 mM tricine (pH 7.8)
 0.5 mM ATP
 10 mM MgSO₄
 0.5 mM EDTA
 10.0 mM DTT
 0.5 mM coenzyme A
 0.5 mM luciferin

Cell Lysis Buffer (5×)

40 mM tricine (pH 7.8)
 50 mM NaCl
 2 mM EDTA
 1 mM MgSO₄
 5 mM DTT
 1% Triton® X-100